

Work Order ID 163869

163869

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Monday, July 10, 2017 12:36:23 PM

Item ID: D3574-1 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Cabin Floor Protector
 Start Date: 7/14/2017 Start Qty: 2.00 *2* Cust Item ID:
 Required Date: 7/19/2017 Req'd Qty: 2.00 *2* Customer:

Reference: DAS
 21
 9-89
 Approvals: Process Plan: Date: JUL 12 2017 Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3574	Rev B

100	FLOW WATER JET	0.00	DAS 19 9-89	②	SC	17/07/13
100	Waterjet	0.66				
FLOW CNC Waterjet	Memo 1-Cut as per Dwg D3574 Dwg Rev: B Prog Rev: B					
	2- Deburr					

110	QC2- Inspect parts off machine FAI/FAIB	0.00	DAS 19 9-89	②	SC	17/07/13
110	QC	0.02				
Quality Control	Memo					

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Quality Control

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER : ☐						
Misidentified ☐	☐	Past Due ☐							

Work Order ID 163869

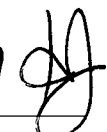
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Item ID: D3574-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Cabin Floor Protector
Start Date: 7/14/2017 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 7/19/2017 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: <u>PKG</u>	0.00							
150						<u>2</u>	DAS	<u>JUL 17 2017</u>	
Packaging	Memo	0.02					<u>6</u>		
Packaging							9-89		
160	QC21- Final Inspection - Work Order Release	0.00							
160									
QC	Memo	0.20							<u>17/17/17</u> 
Quality Control									

DAS
21
9-89
JUL 17 2017

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition					
WORK ORDER								Completed By	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Monday, July 10, 2017 12:36:21 PM

Page 1

Work Order ID: 163869

163869

Parent Item: D3574-1

D3574-1

Parent Item Name: Cabin Floor Protector

Start Date: 7/14/2017

Required Date: 7/19/2017

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev :A New Issue 07-01-22 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MLEXS.125-F60029-04		Purchased	No			100	sf	4,322.006	21.55	50.70588			
MI FXS 125-F60029-04									**	Sc 17/07/13			
GE PLASTICS LEXAN SHEET (DARK GREY)													

Location

MAT018

m136228

m137737

Loc Qty

4322.006

482.006

3840

Loc Code

50.8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

DART AEROSPACE LTD		Work Order: 163869
Description: Cabin Floor Protector		Part Number: D3574-1
Inspection Dwg: D3574	Rev: B	Page 1 of 2

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø3.00	+0.006/-0.001	3.00	1		VDC-02	
7.37	+/-0.030	7.38	1		Tape	
10.75	+/-0.030	10.76	1			
11.00	+/-0.030	11.02	1			
15.25	+/-0.030	15.25	1			
25.87	+/-0.030	25.88	1			
39.75	+/-0.030	39.75	1			
44.75	+/-0.030	44.75	1			
49.11	+/-0.030	49.10	1			
51.11	+/-0.030	51.10	1			
53.51	+/-0.030	53.50	1			
63.50	+/-0.030	63.50	1			
65.25	+/-0.030	65.25	1			
10.75	+/-0.030	10.75	1			
11.06	+/-0.030	11.06	1			
14.75	+/-0.030	14.75	1			
25.50	+/-0.030	25.50	1			
25.75	+/-0.030	25.75	1			
26.00	+/-0.030	26.00	1			
32.87	+/-0.030	32.87	1			
38.81	+/-0.030	38.81	1			
44.75	+/-0.030	44.75	1			
45.00	+/-0.030	45.00	1			
48.25	+/-0.030	48.25	1			
58.38	+/-0.030	58.40	1			
61.25	+/-0.030	61.25	1			
64.13	+/-0.030	64.15	1			
64.63	+/-0.030	64.65	1			
66.50	+/-0.030	66.50	1			
7.50	+/-0.030	7.50	1			
9.50	+/-0.030	9.50	1			
10.38	+/-0.030	10.38	1			
10.88	+/-0.030	10.90	1			
14.50	+/-0.030	14.50	1			

DART AEROSPACE LTD		Work Order:	
Description: Cabin Floor Protector		Part Number:	D3574-1
Inspection Dwg: D3574	Rev: B	Page 2 of 2	

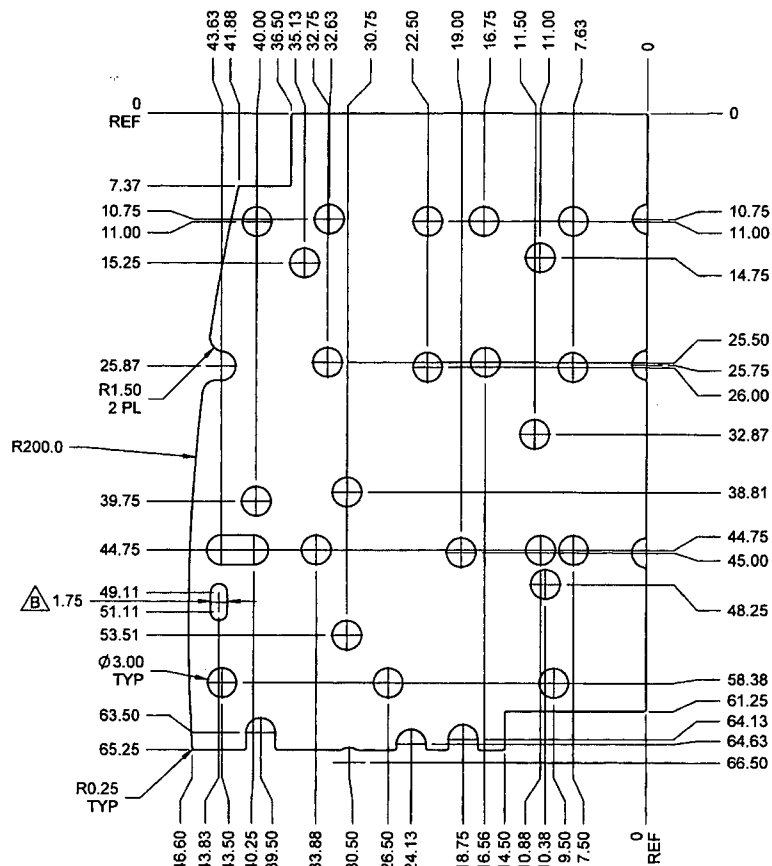
FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
16.56	+/-0.030	16.55	1		UPG-02	
18.75	+/-0.030	18.75	1		T9R	
24.13	+/-0.030	24.15	1			
26.50	+/-0.030	26.50	1			
30.50	+/-0.030	30.50	1			
33.88	+/-0.030	33.90	1			
39.50	+/-0.030	39.50	1			
40.25	+/-0.030	40.25	1			
43.50	+/-0.030	43.50	1			
43.83	+/-0.030	43.85	1			
46.60	+/-0.030	46.60	1			
7.63	+/-0.030	7.64	1			
11.00	+/-0.030	11.00	1			
11.50	+/-0.030	11.50	1			
16.75	+/-0.030	16.75	1			
19.00	+/-0.030	19.00	1			
22.50	+/-0.030	22.50	1			
30.75	+/-0.030	30.75	1			
32.63	+/-0.030	32.65	1			
32.75	+/-0.030	32.75	1			
35.13	+/-0.030	35.15	1			
36.50	+/-0.030	36.50	1			
40.00	+/-0.030	40.00	1			
41.88	+/-0.030	41.88	1			
43.63	+/-0.030	43.65	1			
0.125	+/-0.010	0.125	1			

Measured by: SC	Audited by: DAS 38	Prototype Approval:	N/A
Date: 17/07/13	Date: JUL 13 2017	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	08.02.28	New Issue	KJ/DD	
B	08.07.31	47.75 dimension removed	KJ/DD	
C	09.05.15	Dimensions updated per Dwg Rev B	KJ	



D3574-1 CABIN FLOOR PROTECTOR

NOTES:

- 1) MATERIAL: F60029 GREY LEXAN SHEET (HEAVY HAIRCELL TEXTURE), 0.125 THICK, TEXTURED SIDE UP, (REF DART SPEC MLEXS.125-F60029-04)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3574-1" AND B/N USING FINE POINT PERMANENT INK MARKER ON SMOOTH SIDE OF PART
- 7) WEIGHT: 14.30 lbs
- 8) CHECK PER TEMPLATE DT8961

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 163869 ML5
170712

RELEASED
01/04/07

B	ADD CUT-OUT TO -1/-5 FOR WEIGHT AND BALANCE DATA PLATE ZN B7-1, B8-5, -2 NOW SHOWN ON SHEET 2	09.03.25
A	NEW ISSUE	CB 07.06.08
REV.	DESCRIPTION	BY DATE
DESIGN		
DRAWN		
CHECKED		
MFG. APPR.		
APPROVED		
DE APPR.		
DATE	09.03.25	

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3574
REV. B
SHEET 1 OF 6
TITLE CABIN FLOOR PROTECTOR
SCALE NTS

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